



കേരള സർക്കാർ  
Government of Kerala  
2014



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Reg. No. KL/ TV(N)/634/2012-14

# tl cf Kk ddv KERALA GAZETTE

ആധികാരികമായി പ്രസിദ്ധപ്പെടുത്തുന്നത്  
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## PART III

### Stores Purchase

#### Fire and Rescue Services Department

##### e-TENDER NOTICES

(1)

No. F1-12203/2014/KFRS-1. 5th September 2014.

e-Tenders in two cover system are invited from competent dealers for the supply of 5 Nos. of Inflatable Tent with respective Specifications to Fire and Rescue Services Department. The tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in>. Since this is an e-tender, only those bidders who have enrolled in the above portal with their own digital signature certificate (DSC) can participate in the tender.

e-Tender document and other details can be obtained from the above e-portal.

The tender has two parts.

1. Technical bid.
2. Financial bid (BOQ).

Tender No. with PAC—KFRS/E-Tender No. 11/2014-15—50 Lakh.

EMD—1% of PAC in online payment.

Security Deposit—5% of total contract amount inclusive of EMD. To be furnished as online payment.

Cost of e-Tender (online submission)—7,500 + VAT @ 5%.

Closing date and time of e-tender—24-10-2014, 5 p. m.

Last date and time of receipt of e-tender—24-10-2014, 5 p. m.

Date and time of opening of e-tender:

1. Technical bid—28-10-2014, 11 a. m.
2. Financial bid—30-10-2014, 11 a. m.

Date upto which the rates are to remain firm for acceptance—31-3-2015.

Period of supply—Within 40 days of receipt of supply order.

The bidder desiring to take part in the bid shall log into <https://etenders.kerala.gov.in> and then select tender and initiate payment. Bidders will be directed to the payment gateway page of the State Bank of Travancore. There are two options-State Bank of Travancore (SBT Net banking payment), payment through NEFT from other banks to the payment gateway of SBT.

For obtaining digital signature certificate (DSC) and necessary portal enrollment bidders can visit the website <https://etenders.kerala.gov.in>.

Tenders will be opened in the online presence of such tenderers or their authorized representatives who

have logged in at the prescribed time of opening technical & financial bids. If the date fixed for opening happens to be a holiday/due to net failure the tenders will be opened in the next working day, at the same time.

The price of the e-tender form shall be received only through online payment-SBT/SBT NEFT.

The cost should be quoted in Indian currency only.

The tender has two covers

- Technical cover
- Financial cover

The first cover ie: the technical cover shall be uploaded with the following document.

1. Scanned copy of complied specification of the product intended to supply.
2. Scanned copy of the agreement in the prescribed format in Kerala Stamp Paper worth ` 100.
3. Brochure of the product intended to supply.
4. Work experience certificate or other relevant details.
5. Scanned copies of the declaration by the bidder on Kerala Stamp Paper worth ` 100 to the effect that he/his partner/s or any of his directors is not involved in any Vigilance Case registered in connection with any supply made to this Department.

Soon on opening the technical bid of e-tenders the committee constituted to evaluate the technical aspects of the instrument will meet and scrutinize the technical specification of the instrument submitted with the e-tender.

The financial bid belonging to those dealers/suppliers who qualified in the technical bid of the instrument required by Kerala Fire & Rescue Services Department alone will be considered.

On finalization of the same, The Second cover ie. the financial bid of the concerned competent firm will be opened for consideration.

The originals of Complied Technical Specification, Agreement in stamp paper worth ` 100 and the item intended to supply shall be produced before the undersigned soon after the Financial Bid opening. After opening the financial bid, financial evaluation is made only after consultation with the DPC and the decision of the DPC shall be final and be uploaded in the financial evaluation field of the e-tender site whether the tender is financially admitted or not and thereafter the awarding of the contract.

The committee headed by the Commandant General, Kerala Fire & Rescue Services Department will scrutinize the tenders received and will recommend suitably. The decision of the Commandant General will be final for the award of the contract.

The right of acceptance or rejection of e-tender without assigning any reason is solemnly vested with Commandant with Commandant General, Kerala Fire & Rescue Services.

The rules and regulations prescribed for e-tenders by the Government of Kerala shall be applicable to this e-tender also.

Details with respect to the e-tender and the details of specifications of the item to be purchased can be obtained from the e-tender website <https://etenders.kerala.gov.in>.

Any legal disputes that may arise in relation to the e-tender formalities will be restricted to the jurisdiction of Thiruvananthapuram District Court.

#### CONDITIONS

1. Whether samples are essential : Pamphlets, Photograph, Drawings etc. should be forwarded along with the tender.
2. Period within which goods should be delivered : Within 40 days from receipt of supply order.
3. Rates should be quoted for the delivery including Transportation charge, Customs duty etc. : f.o.r., Thiruvananthapuram
4. Payment : 90% Payment against delivery at Thiruvananthapuram in good condition.
5. Other Special conditions :
  1. A guarantee of 12 months from the delivery of the item
  2. EMD—1% of PAC in online payment.
  3. Security Deposit 5% of total contract amount inclusive of EMD to be furnished as online payment as mentioned in the Notice inviting e-Tender.
  4. Any firm whose proprietor, Partner or Director is involved in a Vigilance Case registered in connection with a supply made to this Department earlier shall be barred from participating in this tender.
  5. Canvassing in any manners at any time shall disqualify the tenderer.

### Specifications for Inflatable Tent

- The inflatable tent shall be made of water proof, flame retardant, PVC coated fabric.
- The material of the frame shall remain intact for a temperature range of -20°C to +70°C.
- The tent shall have suitable sized entrance one each, in front and rear side. A window with mosquito net and translucent cover should also be provide on the tent.
- The size of the tent shall be 4 × 5mt.
- It should have minimum 8 storm lines and 4 Nos. of carrying handles.
- Electrical blowers and foot pumps for inflating the tents shall be provided.
- The provision for inflating the tent by means of air compressed cylinders, electric blowers and manually operated equipments (foot pump) shall be provided.
- Inflation time shall be maximum 2 minutes.
- The name of the department shall be imprinted in bold letters in yellow colour on the sides of the tent and shall be clearly visible from a reasonable distance.
- Repair kit shall be provided.
- A minimum of 2 years warranty shall be provided.
- Operating manuals shall be provided.
- A trial demonstration shall be conducted as and when the department demands.

#### COMPLIANCE STATEMENT :

A specification compliance statement in the following proforma shall be submitted along with the offer, and the statement should be complete in all aspect and should cover each and every details of specification.

#### SPECIFICATION COMPLIANCE STATEMENT FOR INFLATABLE TENT

Sl. No.	Detail of Departmental Technical Specification	Detail of the product offered	Deviation from Departmental Technical Specification, if any
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(2)

No. F2-12127/2014-15/KFRS-1. 19th September 2014.

e-Tenders in two cover system are invited from competent dealers for the purchase of 5 Nos. of Multi Gas Detector and the number can be increased up to 8 numbers with respective specifications to this department. The tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in>. Since this is an e-tender, only those bidders who have enrolled in the above portal with their own digital signature certificate (DSC) can participate in the tender.

E-Tender document and other details can be obtained from the above e-portal.

The tender has two parts.

1. Technical bid.
2. Financial bid (BOQ).

Tender No. with PAC—KFRS/E-Tender No. 12/2014-15—` 15 Lakh.

E. M. D.—1% of PAC in online payment.

Security Deposit—5% of total contract amount inclusive of E. M. D. to be furnished as online payment.

Cost of e-Tender (online submission)—` 2,300 + VAT @ 5%.

Closing date and time of e-tender—27-10-2014, 5 p. m.

Last date and time of receipt of e-tender—27-10-2014, 5 p. m

Date and time of opening of e-tender :

1. Technical bid—31-10-2014, 11 a. m.
2. Financial bid—6-11-2014, 11 a. m.

Date upto which the rates are to remain firm for acceptance—31-3-2015.

Period of supply—Within 30 days of receipt of supply order.

The bidder desiring to take part in the bid shall log into <https://etenders.kerala.gov.in/> and then select tender and initiate payment. Bidders will be directed to the payment gateway page of the State Bank of Travancore. There are two options—State Bank of Travancore (SBT) Net banking payment, payment through NEFT from other banks to the payment gateway of SBT.

For obtaining digital signature certificate (DSC) and necessary portal enrollment bidders can visit the website <https://etenders.kerala.gov.in/>.

Tenders will be opened in the online presence of such tenderers or their authorized representatives who have logged in at the prescribed time of opening technical & financial bids. If the date fixed for opening happens to be a holiday/due to net failure the tenders will be opened in the next working day, at the same time.

The price of the e-tender form shall be received only through online payment SBT/SBT NEFT.

The cost should be quoted in Indian currency only.

The tender has two covers

- Technical cover
- Financial cover

The first cover ie: the technical cover shall be uploaded with the following document.

1. Scanned copy of complied specification of the product intended to supply.
2. Scanned copy of the agreement in the prescribed format in Kerala Stamp Paper worth ` 100.
3. Brochure of the product intended to supply.
4. Work experience certificate or other relevant details.
5. Scanned copies of the declaration by the bidder on Kerala Stamp Paper worth ` 100 to the effect that he/his partner/s or any of his directors is not involved in any Vigilance Case registered in connection with any supply made to this Department.

Soon on opening the technical bid of e-tenders, the committee constituted to evaluate the technical aspects of the instrument will meet and scrutinize the technical specification of the equipment submitted with the e-tender.

The financial bid belonging to those dealers/suppliers who qualified in the technical bid of the equipment required by Kerala Fire & Rescue Services Department alone will be considered.

On finalization of the same, The Second cover ie. the financial bid of the concerned competent firm will be opened for consideration.

The originals of Complied Technical Specification, Agreement in stamp paper worth ` 100, Declaration in stamp paper worth ` 100 and the item intended to supply shall be produced before the undersigned soon after the Financial Bid opening.

After opening the financial bid, financial evaluation is made only after consultation with the DPC and the decision of the DPC shall be final and will be uploaded in the financial evaluation field of the e-tender site whether the tender is financially admitted or not and thereafter the awarding of the contract.

The committee headed by the Commandant General, Kerala Fire & Rescue Services Department will scrutinize the tenders received and will recommend suitably. The decision of the Commandant General will be final for the award of the contract.

The right of acceptance or rejection of e-tender without assigning any reason is solemnly vested with Commandant General, Kerala Fire & Rescue Services.

The rules and regulations prescribed for e-tenders by the Government of Kerala shall be applicable to this e-tender also.

Details with respect to the e-tender and the details of specifications of the item to be purchased can be obtained from the e-tender website <https://etenders.kerala.gov.in>.

Any legal disputes that may arise in relation to the e-tender formalities will be restricted to the jurisdiction of Thiruvananthapuram District Court.

#### CONDITIONS

1. Whether samples are essential : Pamphlets, Photograph, Drawings CDS etc. should be forwarded along with the tender.
2. Period with in which goods should be delivered : Within 30 days from receipt of supply order.
3. Rates should be quoted : f.o.r., Thiruvananthapuram including all taxes, transportation charge, 2 years AMC amount after warranty period, etc.
4. Payment : 90% Payment against delivery at Thiruvananthapuram in good condition.
5. Other Special Conditions :
  1. A warranty of 36 months from the date of delivery of the item
  2. EMD-1% of PAC in online payment .
  3. Security Deposit 5% of total contract amount inclusive of EMD to be furnished as mentioned in the Notice inviting e-tender.
  4. Any firm whose proprietor, Partner or Director is involved in a Vigilance Case registered in connection with a supply made to this Department earlier shall be barred from participating in this tender.
  5. Anybody attempting to offer bribe or otherwise influence the officials of the Kerala Fire and Rescue Services will be disqualified from participating the tender.

6. 2 years AMC should be provided by the qualified firm after the warranty period. AMC amount also quoted in the bid.
7. Training will be given to the staff of this department as and when required for 2 years from the date of delivery at their own cost.

### *Technical Specification for Multi Gas Detector*

#### *1. General*

- (a) This specification covers the requirement of an electronic portable 5-gas detector that simultaneously and continuously measures the combustible gases, oxygen and toxic gases in the ambient air. When the gas concentration exceeds the preset alarm level, it must provide both audible and visual alarms to the user. It shall be capable of detecting the following gases.
  - (i) Explosive gases-0 to 100% LEL using catalytic Ex sensor with 1% resolution.
  - (ii) Carbon Monoxide-0 to 1000 ppm using electrochemical sensor with 1ppm resolution.
  - (iii) Hydrogen Sulphide-0 to 100 ppm using electrochemical sensor with 0.1ppm resolution.
  - (iv) Oxygen-0 to 25 Vol.% using electrochemical sensor with 0.1% resolution.
  - (v) Sulphur dioxide-0.1 to 100 ppm with 0.1ppm resolution.
- (b) This detector must have gas sensors that are intelligent and have interchangeable capability that allows you to add or switch to a different gas sensor at a later time.

#### *2. Description*

- (a) The gas detector must be portable and include rechargeable interchangeable Lithium-ion and alkaline battery packs. It shall come with the following accessories.
  - (i) Universal battery charging set, comprising of the charging module and the single charger.
  - (ii) Special antistatic sampling hose of up to 3 meters in length with filter for water and dust integrated in the external pump.
  - (iii) Flexible goose neck probe for leak detection.
  - (iv) Lether carrying case for portable gas detector.
  - (v) Carrying case for keeping and transporting with pre-cut foam.

- (b) The portable gas detector shall be fully equipped with all the sensors to detect all 5 gases at the same time. It shall come with an external pump (hose with up to 20 meters length) and it should be robust and comfortable for the users;
- (c) The portable gas detector must have the following sensor combination that allows for future upgrade.
  - (i) One channel with one Catalytic Ex sensor
  - (ii) Three channels for electrochemical sensors that can detect any of the following gases.

#### *3. Technical Requirement*

- (a) The portable gas detector shall be equipped with an external sampling pump, which is capable of drawing the gas to be measured through a hose length of up to 20 m/65.6 ft in depth. Warning should be provided when blockage by water, dust or foreign particle while sampling.
- (b) The digital display shall be in liquid crystal display and it should show simultaneously the gas being measured, real time gas concentration, the measuring units, gas alarm status and low battery status.
- (c) The portable gas detector shall be capable of performing on board diagnostic continuously and automatically to ensure fail safe operation. If a failure should occur with the electronics, the battery or the gas sensors, the user must be informed immediately with a clear fault alarm and indication on the display.
- (d) The acoustic alarm shall be that of a multi-frequency tone alarm with volume that shall exceed 90dB A at a distance of 30 cm from the instrument. The optical alarm shall be bright and visible i.e. 180°.
- (e) The instrument housing shall be made durable with an integrated rubber boot for accidental dropping from a height of 1 meter.
- (f) The portable gas detector shall be suitable for used in environmental condition with temperature ranging from -20°C to 50°C and relative humidity ranging from 10-95% non-condensing.
- (g) The protection class for dust and water ingress must be IP67.
- (h) The portable instrument shall come equipped with a data logger that has a storage capacity of recording approx. 1000 hours based on a one minute interval. The storage interval of 1/10/30 sec or 1/2/5/10/30 min. can be selected by the user. The data in the instrument shall be transmitted to a PC by an Infrared interface and can be evaluated by a software program.
- (i) The portable gas detector shall be powered by a rechargeable battery pack that is capable of providing up to 12 hours. The max. operation time of the external pump shall be up to 30 hours.

- (j) Each portable gas detector shall be provided with a single universal battery charging set.
- (k) The portable gas detector must carry international standards such as those from Europe and the United States of America;  
All Certificates shall be attached
- (l) A list of equipment and materials with detail technical information and their unit prices, required for the calibration of the portable gas detector shall be submitted.
- (m) All additional accessories required for operations for the portable gas detector must be stated and the cost each of every accessory must be provided accordingly.

#### 4. *Instruction and Service Manual*

Comprehensive and easy to read manuals shall be provided with the portable gas detector. These are:

- (a) An instruction manual which cover the description and the operational procedures for the user
- (b) A technical handbook which cover the specifications, calibration procedures and the maintenance procedures.
- (c) A list of the consumable parts.
- (d) Calibration should be done Free of cost within the warranty period.
- (e) The Multi Gas Detector should have a minimum warranty of Five years.

#### *COMPLIANCE STATEMENT*

A specification compliance statement in the following performa shall be submitted along with the offer, and the statement should be complete in all aspect and should cover each and every details of specification.

##### SPECIFICATION COMPLIANCE STATEMENT FOR MULTI GAS DETECTOR

<i>Sl. No.</i>	<i>Detail of Departmental Technical Specification</i>	<i>Details of the product offered</i>	<i>Deviation from Departmental Technical Specification, if any</i>
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Headquarters,

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Phone: 0471-2320872.

(Sd.)

*Director (Admn.),*

*For Commandant General.*